

Bu 7006  
ALEXANDER LOEIMORE  
PAPERS

TRAVEL NOTES  
GUATEMALA, 1936

Raymond  
B04

T. E. Snyder

400 Union Bldg

837 Gravier St.

New Orleans.

Wheat  
592/3

Mrs. C. H. Popunov

401 Sligo Ave., Silver Spring, Md.

Miss A. H. Smith

2013 New Hampshire Ave

W. M. Seibertman

271 Garrote St., Long Beach

Laura Land

2620. Foothill Blvd. Alhambra

R. L. Dising

J. S. Goldsmith 1433 Fairmont

F. C. Lincoln 6633 Barnaby St.

W. Robert H. day 1930 Chestnut Phila

N. B. Iyer, 527 St. Ann

cards  
sent

Baggage to New York  
~~these~~

3 chests

2 collecting cases

1 bag

2 suitcases

1 package

1 overcoat

Buy in New Orleans

~~Heavy socks~~

~~Sleeveless hunting coat~~  
lamp & 3 chimney.

~~watch~~

Hugo - Spanish Verbs  
~~green hose~~

New Monteleone Hotel  
New Orleans

~~Leather slipper~~  
~~Shoe laces~~

~~Pulley~~

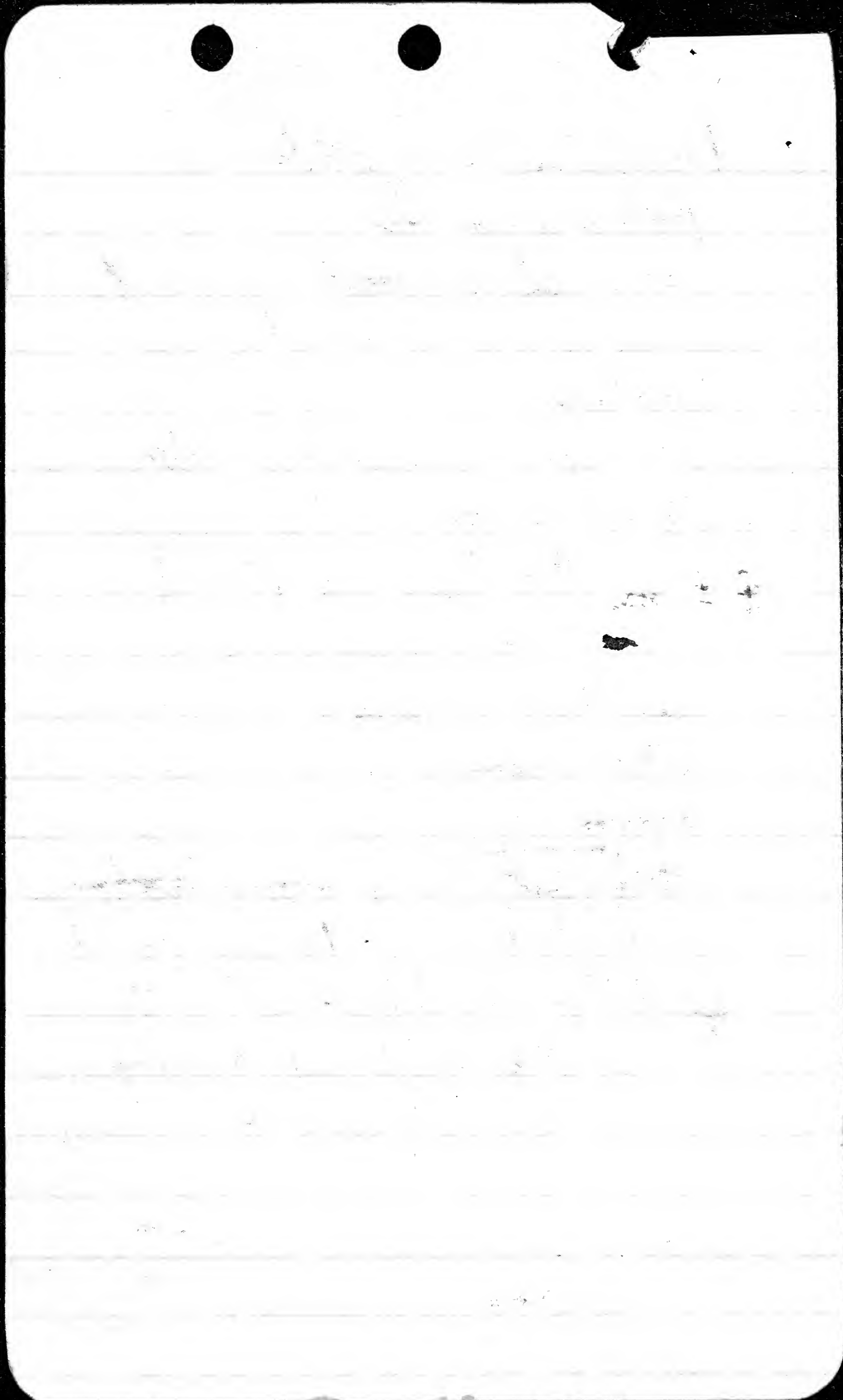
~~Monteleone, address to be~~

A.G. Spalding 134 Carondelet

Dundlap Spalding 9-135 "

Camp & Hickock 120 Camp

Hensell Carondelet



Mr. Austin

United Fruit Co. Agent, Puerto Barrios

Mr. La Guardia

United Fruit Co. Agent, Guatemala City

Hotel Galván, Huehuetenango  
Prop. López

Palace  
~~Grand~~ Hotel, Guatemala City

Mr. Wilson Popper

La Unión, Honduras  
Co. United Fruit Co.

or. #1 Federal St., Boston, Mass.

Tijamulco is good point  
according to R. P. Schmitt.

Alfredo Clark, Guatemala City  
autos

Road from Guatemala City to  
Chichicastenango not touching  
Atitlan crosses a pass at  
12,000 feet with forest of  
large trees

## Beaggage

- 1 tray chest
- 2 field chests (trunks)
- 1 bed roll.
- 2 film telescopes
- 2 suit cases
- 1 top coat
- 1 rain coat
- 1 Package

---

Vaughton, Miles

Covering the Far East

Mr. Maynick  
asst mgr. Castilla Div.  
Mr. Cloward  
asst mgr. Cortez Div.

~~W. M. McDonald~~  
~~Puerto Barrios~~  
~~Send him let. J. J. J.~~

Foto - Bienes  
Guatemala City

Mat Gump  
on Santa Cruz de Venezuela  
at Palace

Call on Sr. Latorre

10<sup>00</sup>

Ins. for letter

Car

Establo Alvarez

Paraje Aycinena

6 am to Park - (portal)

Cosmo Libreria

to the av (9-10-)

Tempus hot

Hotel America

Reservations for New York  
Dec. 4, P. Latorre

10/25

Barrer - Guatemala

Above Monteban 250 ft.

Pine apparent along track.  
growth less dense.

Qualam beginning  
and tropical zone  
Zacapa about Juncosville  
country above good.

Beyond steep climb to  
plateau.

Progreso 1695 feet, small  
town, scrub covered hills  
rising around with a  
break from 1800 feet down to Zacapa  
3 or 4 miles East, on this break  
there are valleys offering good  
collecting.

Arid tropical from a short distance  
below Qualam to above Progreso  
Jalapa 2040  $\pm$  subtropical  
border, increase in scrub vegetation

morning  
handclut  
trunks  
American consul

Pato Aguija Rodulphus

San Don. Delphino Sanchez haton

San Luis Buena Vista  
Mr. Wheeler (Electric Plant)

hansen of from the Capuchinas

Fabricas de Helados y Tzilas

Casa Garcia

Mr. & Mrs. Callender  
Come Tuesday p. m., unless  
I write them!

Oct. 29

Duñas 5800 ft.

Falco sparverius - Elis Elis  
Cassidix ♀ somate, Clarimero

Finca San Sebastián

Salvador Falla

Black Phoebe

# 6200 ft.

Candela

7200, Chimaltenango

Cyanolyca

~~Challa~~

Chara

Don Augustin Acertuno

San Antonio de Aguas  
Calientes : 4800 ft.

Cassidix eye yellow

11/36  
Ciudad Vieja  
2 - Casidix 5000 ft.  
6380 ft  
mark birds 6500

11/2  
Tangarinos - Dueñas  
Barranca Honda  
Alotenango East base  
Volcan de Fuego  
3800 feet

11/3  
Las higas 3500  
Alotenango

Mostera deliciosa

<sup>11/4</sup>  
Candinas 6100 ft

Chimaltenango for camino  
a La Alameda.

Mr. Johnson, Escuela de Agricultura

<sup>11/5</sup>  
3400 ft.

Maria Garcia Sales  
Pamajachel  
in chat of Gordon Smith

J. E. M. Guin  
Finca "Viña"  
Reserva Progreso  
San Marcos.

11/7

Rio Guacalah 5500  
Dpto Chimaltenango,  
La Alameda  
Turkey rustic que

upland 5700  
Dendroica occ.  
Cyanocitta  
Myiodynastes  
Blachospiza coronata

8/8

Las Lajas

3200 ft

8/11

Ranajachul

Myiodynastes

Psaltriparus

Helodytes

ping ping

Kistrik

~~Zorro~~

Zorro

*Turdus plebejus*  
Sierra Santa Elena,  
~~#~~ Tecpán  
May, 1936

---

*Autocorynus prasinus*  
April, 1936, ♂

Axel Pira

Calabozo	9350 ft
Chichoy	8980 ft
Paniquilin	9200 ft
Panemaguan	9100 ft
{ Los Arce	7700
{ Cinchus	Depto Solá
Los Encuentros	8370
Cumba Maria Tecun	9800
Desconcho	10,600
Depto Totonicapán	Oxyechus

Maria Tecun 10,000

Killer Collarejo

Alotunango 4750

Flycatcher loachlike  
brn. eye brownish white  
Meg. Kee - ee - ee ee

Saltator chaves choes  
cher.

Munakron mellow whistle  
but bright orange, claws black.  
eye dark red, bill black

172 species.

Rayer Bananero

Amur leg. 11 <sup>00</sup>

R.D. Wells  
Vice consul

12/2

Zenaidura 6 cents each  
60 cents & g. 100

12/3

Zenaida  
Marsh Hawk  
Caracara  
White-winged Dove

At Iguala the  
hills to the north of  
the track are covered  
with pine.

Ru 7006  
ALEXANDER LOEMORE  
PAPERS

BUSINESS CARDS &  
CONTACTS  
GUATEMALA, 1936

Axel Pirn

SIERRA SANTA ELENA.

TECPAM.

Mr. William E. Jessup  
Guatemala City  
Dec. 2<sup>d</sup> 1936 C. A.

*Jos. E. Callender*  
*Manager*

CENTRAL DEPARTMENT  
THE OCEAN ACCIDENT & GUARANTEE CORPORATION, LTD  
539 INSURANCE EXCHANGE  
CHICAGO

Adrian Recinos

Envoy Extraordinary and Minister Plenipotentiary  
of Guatemala

Introducing  
Mr. Alexander Wetmore

Gerald Augustin Drew  
Chargé d'Affaires of the United States of America

to Rev. Father Rossbach

Mrs. Frederick Cornelius Sullivan Wilhelm

844 West Delavan Avenue

Buffalo

Giant 6324

JULIO MIJARES

**A. F. BRIESE**

**SECRETARY**

**THEARLE-DUFFIELD FIREWORKS, INC.**

**624 SO. MICHIGAN AVENUE**

**CHICAGO**

*Exclusive Contractors to the Chicago World's Fair* ♦ ♦ *1933 - 1934*

Mrs. A. Brice

1180 S. Oak Park Ave

Oak Park Ill

Det. no. Nat. Geogr.

autograph

Ru 7006

ALEXANDER LISMORE  
PAPERS

7 BLACK AND WHITE  
WIDENING PROOF  
QUINTON 1936



Ex p36  
Hestmore  
13

3.

4

—  $4\frac{1}{8}$  —

$2\frac{1}{4}$



Ex p 36  
behance  
2

2.

—  $4\frac{1}{8}$  —

$\sqrt{m/1.8}$

$m/1.8$



67 p36  
Vietnam  
6

~~3 1/2~~

— 4 1/8 —

2 1/2  
8

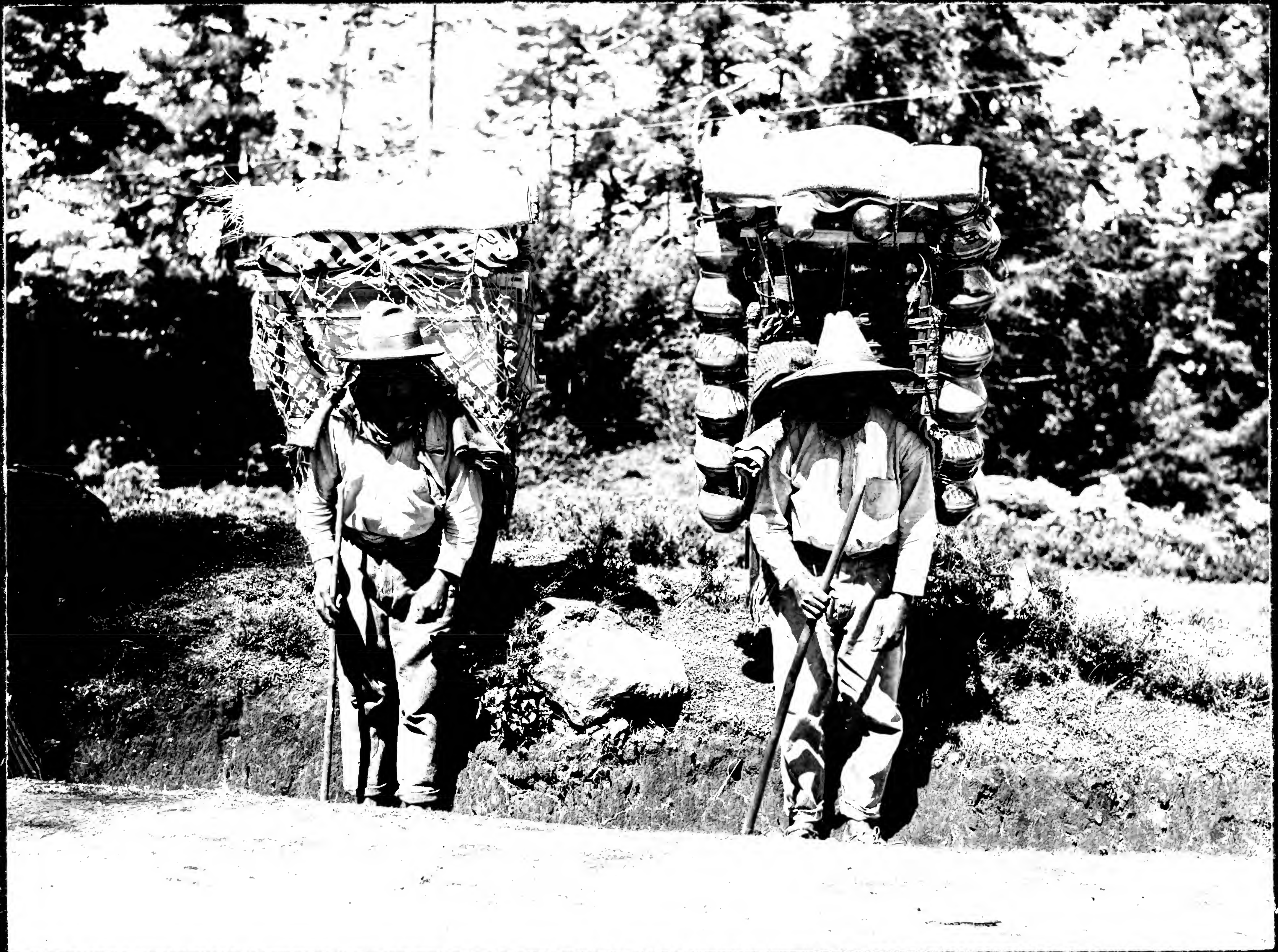


of p36  
Hutchinson  
4

— 4  $\frac{1}{8}$  —

8  
p1.

p1.



3 1/2

up p 30  
Belmore

7

8 1/2

4 1/8



Ex p 36  
behaviour  
8

8

— 4  $\frac{1}{8}$  —

11/9

19-6



Ex p36  
Volume 1.

$$4\frac{1}{8}$$

$$\sqrt{m_1^9}$$

~~4~~  
~~101~~

Ru 7000  
ALEXANDER LOGMORE  
PAGES

MAN OF THE 17 EXPENSES  
BURTONIA, 1930

1936

Sept 18. Passport Photos ① 1.50

19. Paper for pocket notebook 50

2 packages Mothersills

Sea sick remedy @.65 1.26

2 sawhich straps for  
machetes

.35

Oct. 16. (Ticket ~~Washington~~ <sup>New Orleans</sup>, La.  
to Puerto Barrios, Guatemala  
and return to New York City,  
gov't reg. S.d. = 2,213 1/  
value \$153.00)

Extra fare required to  
secure cabin accommodations  
New Orleans to Puerto Barrios  
because of need for prompt  
sailing ② 12.60

Charge for \$500 in  
American Express Co.

Travelers Checks. 6.00

17 (Ticket Washington, D.C. to  
New Orleans, La., gov't reg.  
S.d. - 2211, \$33.50)

1936

Oct. 17. (Leave Washington, D.C. to  
New Orleans, govt reg.  
S.d. 221, \$8.00)

Oct. 18 Lv. Washington via

19. Southern porter (4 pieces baggage) .50  
Station porter (4 pieces baggage) 1.15  
Breakfast en route

Telegram New Orleans

for hotel reservation (4) .63

Excess baggage acct field

equipment, 100 lbs (3) 5.59

Lunch .87

Dinner 1.90

20. Pullman porter .50

arr. New Orleans 7:45 a.m.

Station porter (4 pieces) .50

Taxi to hotel .50

bus to bill boys .50

Breakfast .83

Baggage transfer depot to

Wharf, 4 pieces @ .75 3.00

1 sleeveless hunting coat

for field use (5) 3.90

1 lamp & equipment for

field use (6) 5.31

	Dinner with 2 guests (official)	3.50
21	Breakfast	.87
	Hotel (7)	3.00
	telephone	20
	pressing	25
	telegram (official)	<del>76</del>
	Hotel porter	.50
	taxi hotel to wharf	50
	Porterage on baggage at wharf	1.00
	fr. New Orleans via United Fruit line SS. Metapan	
	Steamer chair	.75
25	Arrive Puerto Barrios, Guatemala 6:00 a.m.	
	Stationer Steward	3.00
	Dining ..	4.00
	Porterage on baggage on wharf and train 9 p.m.	3.00
	Ticket Puerto Barrios to Guatemala City, Guatemala	9.95
	fr. Puerto Barrios 7:40 a.m.	
	Lunch en route	1.00
	porter	15

Arrive Guatemala City 6<sup>15</sup> p.m.

Fus to baggage porters 1.00

Oct. 26. Taxi 60

Fus at hotel 25

Lunch with guest official 2.45

Maps and guides for  
official use 3.15

27. Taxi 65

12<sup>1</sup>/<sub>4</sub> gal gas 3.05

Hotel for two days

with charges for baggage,  
laundry, pressing and  
other items 16.48

Tips 70

Left Guatemala City in  
hired auto (used for  
travel for now on) at  
400 p.m.

Arrived Antigua 5:10 p.m.

Dinner 85

28. Household supplies 1.97

Postage official 23

Oct. 30	5 gal gas.	1.65
	food	.98
" 31,	food	1.01
	Screw driver	.30
	tip to boy for showing trail	.10
Nov. 1,	4 gal gas 1 qt oil	1.63
	Edwards Mandy services	
	4 days @ .75 (9)	3.00
2	Food & household supplies	1.37
4	6 gal gasoline & tire repair	2.42
	food & household supplies	1.15
	Developing & printing	
	3 rolls of film (10)	1.66
5	Services of boy	.10
6	food	1.00
	Breakfast in Guatemala City	.10
	10 1/2 gal gas	3.47
	1 qt oil (11)	.20
	Repairs to spring on car	2.75
	postage	.19
8	services of assistant	
	7 days @ .75 (12)	5.25
	postage	.23
9	6 gal gas 1 qt oil	2.27

lv. Antigua 7:45 a.m.  
Arr. Panajachel 11:00 a.m.

1 day service for assistant  
~~from Antigua to Panajachel~~ 75

Bus fare for assistant for  
return to Antigua 2.25

Nov. 13 postage 45

15 services of assistant 5 days  
@ \$1.00 (13) 5.00

16 Hotel bill as follows

8 hours lunch hire @ .50 4.00

4 gals gas @ .40 1.60

Laundry 1.50

Hotel Nov. 9 to 16 inclusive

7 days @ 3.00 (14) 21.00

Winters for 1.00

Other tips 75

left Panajachel 8:15 a.m.

gas and oil in Tecpan 2.65

arr. Sierra Santa Elena 12:00 noon

20. Fee to boy for services .25

22 left Sierra Santa Elena 9:30 2.32

arr. Antigua 12:00

lunch in Antigua with  
2 guests (official) 3.15  
gas, oil and water in  
battery 2.05

Lv. Antigua 3<sup>00</sup> p.m.  
Arr. Sierra Santa Elena 5<sup>30</sup> p.m.

26 10 gal gasoline 3.40

28 Tips to servants 1.00

left Sierra Santa Elena 8<sup>30</sup> a.m.

Arr. Antigua 11<sup>00</sup> a.m.

5 gal. gas. 1 qt oil 1.95

1 postage 0.29

for 2 1.00

30 food 2.82

services of boy 2 days @ .75 1.50

Dec. 1 Tips in Antigua 3.75

(for entire period) el have  
been here.

Tanto here, Dec. 27 to  
Dec. 1, 35 days @ 3<sup>00</sup> (B) 105.00

Developing 8 rolls film  
with 1 print each (16+17) 4.64

(Lv. Antigua 2:30 p.m.  
Arr. Guatemala City 3:30 p.m.)

	Hotel porters	85
	taxi fare	25
2	1 roll film	75
	taxi fares	1.65
	" "	1.50
	bus fare	.05
	Postage	.20
	developing & printing 1 roll film	50
3.	Hotel bill	8.25
	Waiters tips	25
	Taxi to station	50
	Fees to porter for handling	
	baggage at hotel & station	1.00
	Ticket Guatemala city	
	to Puerto Barrios	9.95
	Charge for 3 full chests	5.82
	lv. Guatemala City 7 <sup>40</sup> a.m.	
	lunch en route	1.05
	Arr. Puerto Barrios 6 <sup>10</sup> p.m.	
	Train porter	25
	Portage on 5 pieces baggage	
	train to hotel	1.25
4	Boat hire	2.00

Hotel / day (20) 5.00  
 Waiters fee 15  
 Charges for handling 3 trunks  
 forwarded from Guatemala  
 City in baggage car at  
 50 cents each 1.50

Portage on baggage hotel  
 to customs house & customs  
 house to ship, 8 pieces 2.40

5. Left Puerto Barrios in  
 S.S. Platano

Duck chair 1.00

6 Radio to office 2.10

11 Arrive New York City

Duck Steward 1.00

Dining Room Steward 4.00

Stateroom Steward 4.00

Portage on baggage at  
 wharf 2.25

for self & baggage (9 pieces)	
wharf to station <del>on train</del>	4.25
Excess baggage	92
Trans. reg. <del>Oct 1st &amp; Sat</del>	
New York to Washington	
Portage on five pieces	
baggage in station	1.25
for New York via	
P.R.R.	
lunch	1.65
Pullman porter	10
Arr. Washington, D.C.	
Station porter fees	.50
Taxi station to house	1.00

December 30, 1936.

Mr. H. W. Dorsey,  
Administrative Assistant to the Secretary,  
Smithsonian Institution.

Dear Mr. Dorsey:

I beg to submit herewith my expense account for my recent trip to Guatemala amounting to \$381.42.

For this work the Smithsonian Institution made advance to me of \$800.00. In addition to the account I enclose herewith endorsed American Express Travellers checks to the amount of \$320.00 and my personal check for \$98.58 covering the difference, as follows:

Account .....	\$ 381.42
American Express Travellers Checks .....	320.00
Personal check .....	<u>98.58</u>
Total .....	\$ 800.00

In this connection I beg to note that there will be one further small charge against this allotment to cover repairs on one of my shotguns that was broken during the expedition and will have to go to the factory for repairs.

Very truly yours,

*A. WETMORE*  
Assistant Secretary.

lp

September 18, 1936	Passport Photos (1) .....	\$ 1.50
" 19, "	Paper for pocket notebook .....	.50
	2 packages mothersills seasick remedy at .63 cents .....	1.26
	2 rawhide straps for machetes .....	.35
October 16, 1936	(Ticket New Orleans, La. to Puerto Barrios, Guatemala and return to New York City, Gov't. req. S.I.-2,213 value \$153.00)	
	Extra fare required to secure cabin accommodations New Orleans to Puerto Barrios because of need for prompt sailing (2) .....	12.60
	Charge for \$800 in American Express Company travellers checks .....	6.00
" 17 "	(Ticket Washington, D.C. to New Orleans La., Gov't. req. S.I. - 2211, \$33.50) (Lower Washington, D.C. to New Orleans, Gov't. req. S.I.-2211 \$8.00)	
" 18 "	Lv. Washington via Southern R.R. Excess baggage account field equipment 100 lbs. (3) .....	5.59
	Station porter (4 pieces baggage) .....	.50
" 19 "	Breakfast en route .....	1.15
	Telegram New Orleans for hotel reservation (4) .....	.63
	Lunch .....	.87
	Dinner .....	1.90
" 20 "	Pullman porter .....	.50
	Arr. New Orleans 7:45 a.m. Station porter (4 pieces) .....	.50
	Taxi to hotel .....	.50
	Fees to bell hops .....	.50
	Breakfast .....	.83
	Baggage transfer depot to wharf, 4 pieces at .75 cents .....	3.00
	1 Sleeveless hunting coat for field use (5) .....	3.90
	1 Lamp and equipment for field use (6) ...	5.31
	Dinner with two guests (official) .....	3.50
		<u>\$ 51.39</u>

Brought Forward ... \$ 51.39

October 21, 1936	Breakfast .....	.87
	Hotel (7) .....	3.00
	Telephone .....	.20
	Pressing .....	.25
	Telegram (official) .....	.76
	Hotel porter .....	.50
	Taxi hotel to wharf .....	.50
	Porterage on baggage at wharf .....	1.00
	Lv. New Orleans via United Fruit Line S/S Metapan	
	Steamer Chair .....	.75
" 25, "	Arrive Puerto Barrios, Guatemala 6:00 A.M.	
	Stateroom steward .....	3.00
	Dining " .....	4.00
	Porterage on baggage on wharf and train 9 pieces	3.00
	Ticket Puerto Barrios to Guatemala City, Guatemala .....	9.95
	Lv. Puerto Barrios 7:40 a.m.	
	Lunch enroute .....	1.00
	Porter .....	.15
	Arrive Guatemala City 6:15 p.m.	
	Fees to baggage porters .....	1.00
" 26, "	Taxi .....	.60
	Fees at hotel .....	.25
	Lunch with guest (official) .....	2.45
	Maps and guides for official use .....	3.15
" 27, "	Taxi .....	.65
	12 1/4 gal. gas .....	3.05
	Hotel for two days with charges for baggage, laundry, pressing and other items (8) .....	16.48
	Tips .....	.70
	Left Guatemala City in hired auto (used for travel from now on) at 4:00 p.m.	
	Arrived Antigua 5:10 p.m.	
	Dinner .....	.85
" 28, "	Household supplies .....	1.97
	Postage (official) .....	.23
" 30, "	5 gals. gas .....	1.65
	Food .....	.98
" 31, "	Food .....	1.01
	Screw driver .....	.30
	Tip to boy for showing trail .....	.10
		<u>\$115.74</u>

Brought Forward ..... \$ 115.74

November 1, 1936		4 gal. gas, 1 qt. oil .....	1.63
		Eduardo Mendez services 4 days at .75 (9) ....	3.00
"	2,	" Food and household supplies .....	1.37
"	4,	" 6 gal. gasoline & tire repair .....	2.42
		Food and household supplies .....	1.15
		Developing & printing 3 rolls of film (10) ....	1.66
"	5,	" Services of boy .....	.10
"	6,	" Food .....	1.00
		Bus fare (in Guatemala City) .....	.10
		10-1/2 gal. gas .....	3.47
		1 pt. oil (11) .....	.20
		Repairs to spring on car .....	2.75
		Postage .....	.19
"	8,	" Services of assistant 7 days at .75 (12) ....	5.25
		Postage .....	.23
"	9,	" 6 gal. gas, 1 qt. oil .....	2.27
		Lv. Antigua 7:45 a.m.	
		Arr. Panajachel 11:00 a.m.	
		1 day's service for assistant from Antigua	
		to Panajachel .....	.75
		Bus fare for assistant for return to Antigua ..	2.25
"	13,	" Postage .....	.45
"	15,	" Services of assistant 5 days at \$1.00 (13) ..	5.00
"	16,	" Hotel bill as follows:	
		8 hours launch hire at .50 .....	4.00
		4 gals. gas at .40 .....	1.60
		Laundry .....	1.50
		Hotel Nov. 9 to 16 inclusive 7 days at	
		\$3.00 (14) .....	21.00
		Waiters fee .....	1.00
		Other tips .....	.75
		Left Panajachel 8:15 a.m.	
		Gas and oil in Tecpan .....	2.65
"	20,	" Fee to boy for services .....	.25
"	22,	" Left Sierra Santa Elena 9:30	
		Arr. Antigua 12:00	

\$ 183.73

Brought Forward ..... \$ 183.73

November 22, 1936	Lunch in Antigua with 2 guests (official) .....	3.15
	Gas, oil and water in battery .....	2.05
	Lv. Antigua 3:00 p.m.	
	Arr. Sierra Santa Elena 5:30 p.m.	
" 26, "	10 gal. gasoline .....	3.40
" 28, "	Tips to servants .....	1.00
	Left Sierra Santa Elena 8:30 a.m.	
	Arr. Antigua 11:00 a.m.	
	5 gal. gas, 1 qt. oil .....	1.95
	Postage .....	.29
	Food .....	1.00
" 30, "	Food .....	.82
	Services of boy 2 days at .75 .....	1.50
December 1, "	Tips in Antigua (for entire period I have been here) .....	3.75
	Lv. Antigua 2:30 p.m.	
	Auto hire, October 27 to December 1, 35 days at \$3.00 (15) .....	105.00
	Developing 8 rolls film with 1 print each (16 & 17) .....	4.64
	Hotel porters .....	.85
	Taxi fare .....	.25
" 2, "	1 Roll film .....	.75
	Taxi fares .....	1.65
	" " .....	1.50
	Bus fare .....	.05
	Postage .....	.20
	Developing and printing 1 roll film (18) .....	.50
" 3, "	Hotel Bill (19) .....	8.25
	Waiters tips .....	.25
	Taxi to station .....	.50
	Fees to porter for handling baggage at hotel and station .....	1.00
	Ticket Guatemala City to Puerto Barrios .....	9.95
	Charge for 3 field chests .....	5.82
	Lv. Guatemala City 7:40 a.m.	
	Lunch enroute .....	1.05
	Arr. Puerto Barrios 6:10 p.m.	
	Train porter 1 .....	.25
	Porterage on 5 pieces baggage train to hotel...	<u>1.25</u>
		\$ 346.35

Brought Forward ..... \$ 346.35

December 4, 1936	Boat hire .....	2.00
	Hotel 1 day (20) .....	5.00
	Waiters fee .....	.15
	Charges for handling 3 trunks forwarded from Guatemala City in baggage car at 50 cents each .....	1.50
	Porterage on baggage hotel to customs house and customs house to ship, 8 pieces .....	2.40
" 5, "	Left Puerto Barrios on S/S Platano. Deck chair .....	1.00
" 6, "	Radio to office .....	2.10
" 11, "	Arrive New York City .....	
	Deck Steward .....	1.00
	Dining Room Steward .....	4.00
	Stateroom Steward .....	4.00
	Porterage on baggage at wharf .....	2.25
	Transportation self and baggage 9 pieces wharf to station .....	4.25
	Excess baggage .....	.92
	Transp. req. ticket & seat New York to Washington	
	Porterage on five pieces, baggage in station .....	1.25
	Lv. New York via P.R.R.	
	Lunch .....	1.65
	Pullman porter .....	.10
	Arr. Washington, D.C.	
	Station porter fees .....	.50
	Taxi station to house .....	<u>1.00</u>
		\$ 381.42

The above account is correct to the best of  
my knowledge and belief.

Assistant Secretary.

Ru 7036 fine ... ..

100000  
100000  
100000, 100000

## Odontophoridae

- a. A prominent, elongated crest, underparts with small white spots, size large.

Odontophorus guttatus

- aa. Crest absent or short and bushy.

- b. Size large, wing more than 140 mm., hind neck chestnut brown

Dendrotyx leucophrys

- bb. Size medium, wing 140 or less; hind neck not chestnut brown.

- c. Underparts boldly spotted with irregular buff and white spots

Colinus leucoprogon

- cc. Underparts not as above.

- d. Rectrices rounded, bill heavy

Dactylortyx thoracicus

- dd. Rectrices decidedly pointed, bill weaker.

Cyrtonyx ocellatus

## Columbidae.

- a. Wing longer and more pointed, longest primaries exceeding distal secondaries by more than one-third length of wing (chastataxi) (Columba)  
b. Whole neck conspicuously spotted and squamated with black

### Columba speciosa

- bb. Neck not as above.

- c. Tail longer, more than three-fourths wing, outermost primary shorter than fifth (from outside) (coloration plain)

### Columba nigrirostris

- cc. Tail shorter, less than three-fourths wing, outermost primary longer than fifth  
d. Hindneck metallic green or bronze, tail bicolored.

### Columba fasciata

- dd. Hindneck not metallic, this restricted to occiput and nape, tail unicolored or bicolored.

- e. Occiput and nape not metallic, tail dusky slate

### Columba flavirostris.

- ee. Occiput and nape metallic, tail brownish gray

### Columba rufina.

- aa. Wing shorter and more rounded, longest primaries exceeding distal secondaries by not more (usually less) than one-third wing.

b. Smaller, wing less than 102 mm., bare orbital region separated from rictus by feathering (*Columbigallina*)

c. Sides of tarsus without feathers under wing coverts chestnut

d. Neck and chest squamated

*Columbigallina passerina*

dd. Neck and chest immaculate

*Columbigallina minuta*

cc. Sides of tarsus with a row of minute feathers axillars and under wing coverts black

*Columbigallina rufipennis*

bb. Larger, wing more than 110 mm.

c. Tail truncate, wings spotted, sexes unlike in color (*Claravis*)

d. Tail black

*Claravis perrotta*

dd. Tail with lateral rectrices extensively white at tips

*Claravis mondetoura*

cc. Tail decidedly rounded, wings not spotted

d. Outermost primary shorter than seventh, abruptly attenuated terminally

e. Hindneck glossed with <sup>(leptotis)</sup> metallic

purple bronze and green

*Leptotila verreauxi*

Columbidae 2

ee. Hind neck not distinctly if at all  
metallic.

f. Occiput and nape nearly concolor  
with back.

Leptotila Cassini

ff. Occiput and nape slate-gray  
in contrast with brown of back

Leptotila plumbeiceps

dd. Outermost primary longer than  
seventh, not attenuated terminally

(Oreopelia)

e. More or less rufous in inner webs  
of remiges.

Oreopelia montana

ee. No rufous in inner webs of  
remiges

Oreopelia albifacies

## Psittacidae

a. Tail elongate, graduated.

b. Seventh primary attenuated.

c. No blue on remiges, under surface of wing and tail olive-yellowish (*Aratinga*)

d. Smaller, wing less than 160 mm.

*Aratinga subitorquis*

dd. Larger, wing more than 170 mm.

*Aratinga strenua*

cc. Distal secondaries and part of primaries blue, under surface of wings and tail blackish or slaty (*Empidonax*)

d. Crown more or less bluish-green, chest light, forehead more or less broadly orange or orange-buff.

*Aratinga canicularis*

dd. Crown bright green, chest deep olive, little or no orange on forehead

*Aratinga aster*

bb. Seventh primary not attenuated.

c. Barred above with black

*Bolborhynchus lineola*

cc. No black bars above.

*Protonotaria jugularis*

aa. Tail shorter, not graduated.

b. a red auricular spot

*Pyrrhuloxia haematotis*

bb. no red auricular spot.

c. Under tail-coverts red

Pionus senilis

cc. Under tail coverts not red (Amazona)

d. Outer webs of distal secondaries  
wholly green, or blue and green.

Amazona albifrons

dd. Outer webs of distal secondaries  
with basal half red or orange.

e. Inner webs of rectrices with  
more or less red on basal portion.

f. No red on forehead

Amazona auripallata

ff. Forehead red

Amazona autumnalis

ee. Inner webs of rectrices  
without red at base.

Amazona farinosa

Alcedinidae

a. Sides and flanks white more or less spotted with green.

b. Larger, wing 125-146 mm.

Chloroceryle amazona

bb. Smaller, wing 73-88 mm.

Chloroceryle americana

aa. Sides and flanks orange-chestnut

Chloroceryle aenea.

MOMOTIDAE

- a. Bill compressed (deeper than wide at nostrils) the tomtia more coarsely serrate.

Momotus

- b. Pileum blue (at least exteriorly).

M. lessonii

- bb. Pileum chestnut.

M. castaneiceps

- aa. Bill depressed (wider than deep at nostrils the tomtia more finely serrate.

- b. Culmen strongly carinate; bill more strongly curved, as long as head; middle pair of rectrices with a racquet tip.

- c. Bill broader, width at nostrils equal to near one half distance from nostril to tip of maxilla; terminal racquet shorter than culmen; no superciliary tufts nor narrow, brightly colored feathers on throat.

Electron

- cc. Bill narrower, width at nostrils much less than one half distance from nostril to tip of maxilla; terminal racquet much longer than culmen; conspicuous superciliary tufts and narrow, brightly colored feathers on throat.

Eumomota

- bb. Culmen not carinate; bill less decurved, shorter than head; middle pair of rectrices normal.

- c. Tail much longer than wing.

Aspatha

- cc. Tail shorter than wing.

Hylomanes

NICROPODIDAE

a. Size large.

b. Throat dark

Streptoprocne

bb. Throat and upper chest pure white.

Panyptila

aa. Size small.

b. A chestnut brown band around neck.

Cypseloides

bb. No colored band around neck.

Chaetura

c. Under parts and rump darker

d. Larger, wing 122-133

C. pelagica

dd. Smaller, wing 105-116.5.

C. richmondi

cc. Under parts and rump pale  
brownish gray (wing 107-117)

C. vauxii

TROGONIDAE

a. Tail feathers not tipped with white.

Trogon massena

aa. Tail feathers tipped with white.

b. Under parts partly yellow.

c. Larger, wing 130-146 mm., outer rectrices without distinct white bars.

Trogon melanocephalus

cc. Smaller, wing 110-134 mm., outer rectrices barred distinctly with white.

Trogon violaceus braccatus

bb. Under parts partly red.

c. Back green

d. Rectrices not barred with white.

Trogon mexicanus ♂

dd. Rectrices distinctly barred with white.

e. Tail longer 160-185 mm. with white bars wider than black

Trogon elegans ♂

ee. Tail shorter, 127-160 mm., with white bars much narrower than black interspace.

Trogon puella ♂

cc. Back brown.

d. A conspicuous auricular spot of white

Trogon elegans ♀

dd. No white auricular spot.

e. Breast brown, lateral rectrices broadly barred with white on outer web, larger wing 136-157 mm.

Trogon mexicanus ♀

ee. Breast red, broadly banded with white smaller wing 115-138 mm. outer web of outer rectrix white mottled with black.

Trogon puella ♀

RAMPHASTIDAE

- a. Nostrils opening posteriorly behind elevated margin of maxilla.

Ramphastos

- aa. Nostrils opening vertically or laterally.

- b. Head and neck black with a brown collar on neck.

Pteroglossus

- bb. General color greenish

Aulacorhynchus

BUCCONIDAE

- a. Larger, wing 110-120, forehead, collar  
on hindneck and throat white.

Notharchus hyperrhynchus dysoni

- aa. Smaller, wing 81-93, forehead only slightly  
mixed with white, throat buff.

Malacoptila panamensis inornata

PICIDAE

a. Larger, wing 160 mm. or more

b. Head uniform red or black, culmen 38-50 mm.

Phloeoceastes g. guatemalensis

bb. Head particolored, culmen 32-39 mm.

Ceophloeus l. similis

aa. Smaller, wing less than 150 mm.

b. Outer hind-toe longer than outer front toe.

Veniliornis oleaginus sanguinolentus

bb. Outer hind-toe not longer than outer front toe.

c. Nostrils wholly exposed, no red in pileum, back chestnut; head crested.

Celeus castaneus

cc. Nostrils more or less covered by bristly feathers, pileum at least partly red, crested, back greenish

Piculus rubiginosus

## Dendrocolaptidae

a. Nostril roundish without distinct apiculus (Dendrocolaptes)

b Bill depressed, at least as broad as deep at nostril, maxillary tomium <sup>notched</sup>.

c. Pileum barred or transversely lunulated with black

Dendrocolaptes sancti-thomae

cc. Pileum streaked with buffy or whitish

Dendrocolaptes griseus puncticollis

bb. Bill compressed, much deeper than broad at nostril, no notch on tomium.

c. Larger, wing 131-142 mm.

Xiphocolaptes procerorhynchus longirostris

ce. Smaller, wing less than 120 mm.

d. Bill nearly straight (only tip of maxilla decidedly decurved) (Xiphorhynchus).

e. Underparts striped or streaked with buffy.

f. Back conspicuously streaked, color lighter, grayer. Xiphorhynchus flavicastris

ff. Back absolutely streaked. (the streaks mostly confined to upper back) color darker, brown.

Xiphorhynchus guttatus confinis

ee. Underparts spotted with buffy.

Xiphorhynchus erythrogynus

dd. Bill decidedly decurved throughout, more so than

e. Markings on pileum, spotlike

hepocolaptes affinis

ee. Markings on pileum streaklike

hepocolaptes souleyeti insignis

aa. Nostril narrow, distinctly apiculate

b. Bill much shorter than head, a buff band across inner web of remiges.

c. Bill stout, wedge-shaped, with tip of maxilla broad and flattened, nasal opening very broad.

Glyptorhynchus spinosus fectoralis

cc. Bill slender, almost subulate, with tip of maxilla narrow, pointed and slightly curved, nasal opening narrow.

Sittasomus griseicapillus sylvicola

bb. Bill nearly as long as head, no buff band on maxilla

c. Secondaries mostly tawny or tawny-ochraceous, contrasting strongly with their dusky tips and the amber brown of wing coverts

Dendrocopos anabatensis

cc. Secondaries brown or rufescent, concolorous with wing coverts, or at least not contrasting strongly with them.

Dendrocopos homochroa.

PIPRIDAE

- a. Wing less than two and one-half times tarsus, males with outermost primaries very narrow and bowed feathers of throat elongated.

Manacus candei

- aa. Wing at least three and one-half times tarsus, primaries normal, or if narrow not bowed; feathers of throat not elongated.

- b. Tail less than two-thirds of wing

- c. Frontal feathers erect, stiffened, in adult male forming a short black tuft; lower end of tibia naked except in front; adult males with pale blue back and red crest.

Chiroxiphia linearis

- cc. Frontal feathers only semi-erect, not tufted but uniform with rest of pileum; lower end of tibia feathers; adult male without distinct crest.

Pipra mentalis

- bb. Tail more than two-thirds of wing

Schiffornis turdinus verae-pacis

## Cotingidae

- a. Bill longer and more compressed, tarsus much more than one-fourth wing, tarsus mainly non-scutellate.

### Attila spadiceus

(Pileum and hindneck greenish olive, back reddish brown, rump and upper tail-coverts yellow, breast and abdomen white streaked more or less, wing 81-93 mm).

- aa. Bill shorter and broader, tarsus much less than one-fourth wing, planta tarai holoscutate.

b. Back black

c. Hindneck black

### Pachyramphus polychropterus ♂

cc. Hindneck gray

### Pachyramphus major ♂

bb. Back brown or olive.

c. Back and tail rufous brown.

### Pachyramphus cinnamomeus

cc. Tail partly black.

d. Back and pileum olive

### Pachyramphus polychropterus ♀

dd. Pileum black or black and rusty back brown.

### Pachyramphus major ♀

TURDIDAE

Genus Myadestes

- a. Upper parts plain grayish or slate color, under parts similar but paler.

Myadestes unicolor

- aa. Back and wings brown, distinctly different from lower surface.

Myadestes obscurus

Genus Turdus

- a. Under tail coverts partly white.

- b. Under tail-coverts brownish gray with a median streak of white; a rufescent collar.

rufitorques

- bb. Exposed portion of under tail-coverts chiefly white; no rufescent collar.

assimilis subsp.

- aa. Under tail coverts without white.

- b. General color buffy brown or buffy olive (paler below); under wing coverts strongly buff.

- c. Inner webs of remiges distinctly edged with buff; under tail coverts clear buff

grayi subsp.

- cc. Inner webs of remiges edged with pale broccoli brown; under tail coverts pale wood brown; lores dusky marginal above by a streak of brownish.

infuscatus ♀

- bb. General color grayish brown, sooty brown or black.

- c. Bill and feet dusky brown; upper parts olive or olive brown; under parts light grayish brown.

plebejus

- cc. Bill and feet yellowish; plumage black

infuscatus ♂

TURDIDAE (Cont'd.)

Genus Catharus.

a. Pileum black or blackish.

b. Back slate-grayish; chest buffy white or  
buff-yellowish spotted with grayish or dusky.  
dryas

bb. Back olive or olive-brown; chest plain  
gray or olive

mexicanus

aa. Pileum brownish or grayish

b. Pileum more rufescent than back

frantzii alticolor

bb. Pileum concolor with back

melpomene bangsi

COMPSOTHTLYPIDAE

a. Under surface with more or less red

b. Upper surface partly red

Ergaticus versicolor

bb. Upper surface without red.

c. Crown marked with brown

Myioborus miniatus subsp.

cc. Crown bluish like back

Granatellus sallaei

aa. Under surface with more or less yellow.

b. Pileum plain gray, a chestnut spot on upper breast.

Vermivora superciliosa

bb. Pileum not plain gray, no chestnut on breast.

c. Crown gray, lores and frontal region black

Chamaethlypis

cc. Crown not gray.

d. Tail tipped extensively with white

(Yellow crown patch, black forehead)

Euthlypis lachrymosa

dd. No white in tail

e. Back and sides of head grayish

(Concealed brown crown patch)

Basileuterus culicivorus

ee. Back greenish, sides of head chestnut brown.

f. Tail shorter than wing.

g. Superciliary stripe yellow

Basileuterus belli

gg. Superciliary stripe white

Basileuterus delatitrii

ff. Tail equal to longer than wing

g. Tail about equal to wing, under parts entirely yellow.

Idiotes salvini

gg. Tail longer than wing, throat yellow, abdomen whitish

Idiotes rufifrons

# Fringillidae

a. Mandibular ramus less than one-fifth gonys  
(head black) Herpinophaga abeillei

aa. Mandibular ramus at least one-third gonys.

b. Secondaries with broad basal band of yellow (Spinus)

c. Underparts streaked

cc. Underparts not streaked Spinus atriceps

bb. Secondaries not banded with yellow. Spinus notatus

c. Wing tip equal to or longer than tarsus, wing more than 76.2 mm, bill much swollen (underparts yellow)

cc. Wing tip not as long as tarsus, or else wing less than 76.2 mm. Phenicticus chrysopus

d. Commissure equal to or longer than middle toe without claw, tip of maxilla uncinat.

dd. Commissure shorter than middle toe without claw, or else tip of maxilla not uncinat. Caryothraustes poliogaster  
(hous to upper throat black, head and underparts yellow, upper parts olive green, wing 88-100 mm.)

e. Unicolored or yellow.

f. Bill very broad and thick; <sup>bird</sup> black or brown

ff. Bill narrower; Bird yellow Cryzoborus fumeus  
(♂ black, white spot at base of long primaries, ♀ brown, wing 53-57 mm.)

ff. Bill narrower; Bird yellow

(Sicalis chrysops)

ee. Plumage variegated, not bright colored,  
often streaked.

f. Back streaked (*Aimophila*,

g. Anterior underparts white, pileum  
conspicuously five-striped.

*Aimophila inificandula*)

gg. Anterior underparts grayish or  
buff, pileum not five striped

h. Edge of wing white

*Aimophila rufescens*.

hh. Edge of wing yellow

*Aimophila botteri*.

ff. Back not streaked.

g. Tail shorter than wing.

h. a white loreal spot, or else outermost  
primary edged with white, edge of  
wing white or else a yellow patch <sup>spot</sup> on  
either side of neck, and a white curricular.

i. Chin and throat white, head  
partly rufous, edge of wing white.

*Melospiza biarcuatum*

ii. Chin and throat black; no rufous  
on head; sides of neck and edge of  
wing yellow; a white spot in center  
of curricular region

*Melospiza occipitalis*

~~hh~~ hh. No white loreal spot or edging to  
outermost primary, back olive green  
edge of wing yellow.

Fringillidae 2.

- i. Sides of head grayish, with narrow post-ocular streak, superciliary gray, chest not banded.

Arremonops straticipes chloronotus

- ii Sides of head black, a broad black band across chest

Arremon aurantirostris

- gg. Tail equal to or longer than wing.

- h. Head black with median crown stripe, rest of upper parts dusky olive, throat yellow or orange, rest of underparts dull white.

Atlapetes gutturalis

- hh. Anterior part of crown black, marked with white, rest chestnut; upper parts olive green, edge of wing yellow; underparts white with black band across chest, sides grayish.

Buarremon burmeisteri

## Troglodytes

a. Tail at least half as long as wing, much longer than tarsus.

b. Back conspicuously streaked, banded or otherwise variegated (at least beneath surface) (Heliodytes)

c. Underparts plain white or buffy white.

Heliodytes capistratus.

cc. Throat and breast spotted with black.

Heliodytes zonatus.

bb. Back unicolorous.

c. Nostril distinctly operculate.

d. Tail graduated for one-third length.

Phengopedius maculipectus.

(Pelvis and hindlimb russet, rest of upper parts light olive brown, white superciliary band above by black, below white spotted with black, wing 52-62 mm.)

dd. Tail graduated for much less than one-third length.

e. Hallux without claw decidedly longer than outer toe without claw.

Thryothorus albinucha.

ee. Hallux without claw not longer than outer toe without claw.

f. No superciliary.

Troglodytes nuchalis.

ff. a buffy superciliary stripe.

Troglodytes rufocinctus.

cc. Nostril non-operculate.

d. Tail only half as long as wing, not much longer than tarsus.

e. Breast white

Hemicorhina leucosticta

ee. Breast gray

Hemicorhina leucophrys.

dd. Tail much more than half as long as wing  
At least half again as long as tarsus. ↓

e. wing less than 55 mm.

Nannochilus leucogaster

ee. wing more than 55 mm.

f. Sides and flanks broadly barred with  
blackish Thryophilus pleurostictus.

ff. Sides and flanks not barred

g. Under tail coverts barred

Thryophilus rufalbus

gg. Under tail coverts not barred

Thryophilus modestus

aa. Tail less than half as long as wing, shorter  
than tarsus

Microcirculus philomela.

COEREBIDAE

- a. Outermost primary shorter than sixth; male glossy green with pileum and sides of head black, females green.

Chlorophanes spiza.

- aa. Outermost primary longer than sixth, male rich blue, female plain green above.

- b. General color blue and black.

- c. Chin and throat like rest of underparts

Cyanerpes cyaneus ♂

- cc. Chin and throat black

Cyanerpes lucidus ♂

- bb. General color green

- c. Under wing-coverts and part of inner webs of secondaries yellow, chest not distinctly streaked, throat not buffy.

Cyanerpes cyaneus ♀

- cc. Under wing-coverts white, no yellow on secondaries, chest distinctly streaked, throat buffy.

Cyanerpes lucidus ♀

# THRAUPIDAE

a. Tail less than two-thirds as long as wing,  
bill short, compressed.

b. Upper parts bright green.

Chlorophonia occipitalis ♂ ♀

bb. Upper parts steel blue or olive green or  
gray.

Tanagra

c. Crown, occiput and hindneck light blue

T. elegantissima ♂, ♀

cc. Crown, occiput and hindneck not light blue.

d. Back dark steel blue.

e. Throat dark steel blue

f. Under tail coverts yellow.

T. affinis ♂

ff. Under tail-coverts white, sometimes  
tinged with yellow.

T. olivacea humilis ♂

ee. Throat yellow like rest of underparts

T. lauta ♂

dd. Back olive-green or olive-gray

e. Abdomen or under tail-coverts or both  
tawny or ochraceous

T. gouldii ♂, ♀

ee. Neither abdomen nor under tail-coverts  
tawny or ochraceous like back.

f. Back bright olive-green.

g. Occiput olive green like back.

h. Median underparts grayish.

T. lauta ♀

hh. Median underparts yellow at  
least on chest like sides.

T. olivacea humilis ♀

gg. Occiput grayish more or less dis-  
tinctly different from olive-green of  
back.

affinis imm.

ff. Back olive-grayish.

affinis ♀

THRAUPIDAE (Cont'd.)

aa. Tail more than two-thirds as long as wing,  
bill not like that of Euphonias.

b. Outermost primary much longer than third,  
usual equal to or longer than fourth; if wing  
less than 71.1, the outermost primary equal  
to fifth.

c. Exposed culmen decidedly shorter than middle  
toes without claw.

d. Tarsus decidedly longer than middle toe  
with claw, more than one-third as long as  
tail.

e. Back streaked with black or dusky.

Tangara cabanisii

ee. Back without streaks

f. Back bright green

Tangara lavinia cara

ff. Back not bright green.

Tangara larvata

cc. Exposed culmen not shorter than middle toe  
with claw.

d. Back not streaked.

e. General color red, or at least head red.

f. Under parts entirely red; back reddish

g. Wings and tail dull red.

h. Maxillary tomium without tooth; color  
vermilion.

Piranga rubra ♂

hh. Maxillary tomium with tooth; color  
grayish red above.

Piranga flava ♂

gg. Wings and tail black

Piranga erythromelas ♂

ff. Underparts yellow; back not reddish

Piranga ludoviciana ♂

THRAUPIDAE (Cont'd.)

ee. General color olive-greenish above; yellow below.

f. Back olive-green or grayish

g. Wings without yellow bands.

h. Under wing coverts yellow

i. Bill light brownish, maxillary tomium without tooth.

Piranga rubra ♀

ii. Bill dusky; maxillary tomium with tooth.

Piranga flava ♀

hh. Under wing coverts white, wings and tail black or dusky gray.

Piranga erythomelas ♀ & winter

gg. Wings with two yellow bands.

Piranga ludoviciana ♀ & winter

dd. Back streaked with black

Piranga bidentata

bb. Outermost primary little if any longer than third.

c. Loral and frontal feathers stiff, erect, brushlike.

d. Mandibular rami enlarged and swollen, longer than gonys.

Ramphocelus passerinii

dd. Mandibular rami normal, shorter than gonys.

Phlogothraupis sanguinolenta

cc. Loral and frontal feathers normal.

d. Maxilla strongly hooked at tip, a conspicuous tooth on tomium.

Lanio aurantius

dd. Maxilla not strongly hooked at tip, no conspicuous tooth on tomium.

e. Bill larger, exposed culmen two-thirds or more as long as tarsus.

f. Back green.

Eucometis spodocephala

ff. Back red or brown

THRAUPIDAE (Cont'd.)

g. General color red

h. Scarlet crown patch margined laterally with black.

Habia rubica ♂

hh. Scarlet crown patch not margined with black.

Habia salvini ♂

gg. General color olive or brown

h. Center of crown tawny.

Habia rubica ♀

hh. Crown concolor with rest of pileum.

Habia salvini ♀

ee. Bill much smaller, exposed culmen much less than two-thirds as long as tarsus.

Chlorospingus olivaceous

ICTERIDAE (Except Icterus)

- a. Prominent yellow markings in tail.
- b. Size large, back chestnut, cheeks and sides of throat naked.

Gymnostinops montezuma

- bb. Size medium, back black, cheeks feathered.

Zarhynchus wagleri

- aa. Tail black, without yellow.

- b. Larger, wing 154-202, neck ruffed, plumage with violet sheen.

Psomocolax orizivorus

- bb. Smaller, wing 112-132, no ruff, plumage with greenish sheen.

Dives dives

# ICTERIDAE

## Icterus

- a. Tail unicolorous, black, except at concealed base.
- b. Head, all round, uniform black or chestnut.
- c. Back and scapulars uniform black.
- d. Underparts of body and rump neither chestnut nor rufous-tawny.
- e. Wings with white markings.
  - maculi-alatus ♂ ♀
- ee. Wings without white markings.
- f. Breast yellow or orange
  - wagleri ♂ ♀
- ff. Breast black
  - prothemelas ♂ ♀
- dd. Underparts of body and rump chestnut.
  - spurius ♂
- cc. Back and scapulars yellowish olive-green or olive yellow.
  - prothemelas imm.
- bb. Head orange, yellow, or olive green, with black throat and capistrum.
- c. Back and scapulars uniform black
- d. Breast spotted with black (at least laterally)
  - pectoralis ♂ ♀
- dd. Breast not spotted
  - gularis ♂ ♀
- cc. Back and scapulars not uniform black.
- d. Forehead and at least anterior part of auricular region black; wing-coverts without any white.
- e. Larger, wing 86-112; general color including back orange-yellow. Chrysater
- ee. Smaller, wing less than 86; general color lemon-yellow, or pale olive-yellow below, more olivaceous on back.
  - prothemelas imm.

Icterus (Cont'd.)

- d. Forehead and whole of auricular region orange, yellow, or olive-green; wing-coverts marked with white.

sclateri ♂

- aa. Tail distinctly bicolored, black and yellow or black and orange.

- b. Pileum and hindneck yellow.

mesomelas ♂ ♀

- bb. Pileum, except sometimes forehead and hindneck black.

- c. Head entirely black; outer webs of greater wing-coverts black basally.

galbula ♂

- cc. Head partly yellow or orange; outer webs of greater wing-coverts wholly white.

bullockii ♂

- aaa. Tail neither entirely black nor distinctly bicolored, mostly plain olivaceous or dusky.

- b. Throat black or dusky

- c. Larger, wing 101.6 or more.

gularis imm.

- cc. Wing less than 101.6

- d. Back without any black

spurius ♂ imm.

- dd. Back with more or less black.

- e. Tail more than 78.7.

wagleri imm.

- ee. Tail not more than 78.7.

- f. Pileum without streaks or spots of black.

bullockii ♀, ♂ imm.

- ff. Pileum streaked or spotted with black.

galbula ♀, ♂ imm.

Icterus (Cont'd.)

bb. Throat not black or dusky.

c. wings without white markings.

d. Pileum and back dull saffron yellowish;  
bill stouter.

giraudii yg.

dd. Pileum and back dull brownish olive;  
underparts dull naples yellow, bill more  
curved.

wagleri yg.

cc. Wings with distinct white markings.

d. Tail more than 81.3

sclateri yg.

dd. Tail not more than 81.3

e. Auricular region dull orange, an orange  
superciliary.

bullockii ♀, ♂ imm.

ee. Auricular region dull olive, no orange  
superciliary.

galbula ♀, ♂ imm.

CORVIDAE

a. Head with long crest of a few feathers.

Calocitta formosa

aa. Head not prominently crested.

b. Plumage mainly brown

Psilorhinus mexicanus

bb. Plumage mainly blue.

c. Back and crown blue.

d. Larger, wing 165-168 mm., entirely blue except for black lores.

dd. Smaller, wing 109-119, sides of head black, a narrow line of white along sides of crown.

Cyanolyca pumila

cc. Upper back, chest and much of head black.

d. A crown patch of light blue

Cyanolyca mitrata

dd. Crown black

Cissilopha melanocyanea

CRACIDAE

a. Larger, wing 380 mm., brownish underneath with indefinite streaks of white.  
Penelope purpurascens.

aa. Smaller, wing 235 mm., male black, female barred above with brown.  
Penelopina nigra.

Data from Journal of J. H. Kempton.

October - December, 1935.

Guatemala City of Panajachel, elevated country with forests of pine.

Lake Atitlan surrounded by mountains.

Panajachel at 6000 feet.

Between Quetzaltenango and Huehuetenango much of country 9000 feet elevation, uninhabited with forests of small pines and oaks.

Rudolph Apel operates an excellent hotel in Huehuetenango. He is well informed on country. Kempton secured a good native assistant from him.